

IVANOV, V.S.; BEZHAN, I.P.; LEVANDO, L.K.

Radiation-induced polymerization. Part 5. Vest. LGU 20 no.10:157-159
'65. (MIRA 18:7)

L 13364-66 EWT(m)/EFF(n)-2/EWF(j)/T/EWA(h)/EWA(l) OG/RM

ACC NR: AP6003331

SOURCE CODE: UR/0074/66/035/001/0093/0120

AUTHOR: Ivanov, V. S.

ORG: Leningrad State University (Leningradskiy gosudarstvenny universitet) 41
B

TITLE: Synthesis of high-molecular-weight compounds by radiation-induced polymerization 14/55

SOURCE: Uspekhi khimii, v. 35, no. 1, 1966, 93-120

TOPIC TAGS: macromolecular chemistry, radiation polymerization, monomers, polymer

ABSTRACT: A review of 352 Soviet and Western studies on the synthesis of polymers by radiation-induced polymerization is presented under the following headings: Introduction; 1) Radiation-induced polymerization of olefin hydrocarbons; 2) Diene hydrocarbons; 3) Halogen derivatives of olefin and diene hydrocarbons; 4) Unsaturated carboxylic acids and their derivatives; 5) Vinyl esters and ethers; 6) Vinyl derivatives of carbocyclic compounds; 7) Vinyl derivatives of heterocyclic compounds; 8) Allyl monomers; 9) Acetyl monomers; 10) Carbonyl compounds; 11) Nitriles of saturated carboxylic acids; 12) Isocyanates; 13) Cyclic monomers; 14) Organometallic monomers; 15) Inorganic monomers. Orig. art. has: 19 figures. [AT&T FILE: 4169-F]

SUB CODE: 07 / SUBM DATE: none / ORIG REF: 121 / OTH REF: 231

Card 1/1

UDC: 541.11:542.352.6:541.64

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619210003-9

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619210003-9"

L 7875-66 EWT(m)/EPF(c)/EWP(j)/EWA(h)/EWA(l) RM

ACC NR: AP5025035

SOURCE CODE: UR/0286/65/010/016/0081/0034

AUTHORS: Medvedev, Yu. V.; Ivanov, V. S.; Ivanova, L. I.; Breger, A. Kh.;
Osipov, V. B.; Gol'din, V. A.

ORG: none

TITLE: Method for obtaining polychloroprene. Class 39, № 173947

SOURCE: Byulleten' izobreteniij i tovarnykh znakov, no. 16, 1965, 84

TOPIC TAGS: rubber, chloroprene, polychloroprene, polymer, polymerization

ABSTRACT: This Author Certificate presents a method for obtaining polychloroprene by polymerization of chloroprene under the influence of γ -radiation. To regulate the molecular weight and structure of the polymer, the polymerization is carried out in the presence of amine and phenol type stabilizers.

SUB CODE: 07/

SUBM DATE: 12Feb62

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Card 1/1

UDC: 678.765.2.002.2

IVANOV, V.S.

Synthesis of high-molecular weight compounds by the radiation-induced polymerization method. Usp. khim. 35 no.1:93-120 Ja '66.
(MIRA 19:1)
1. Leningradskiy gosudarstvennyy universitet.

IVANOV, V.S.; MEDVEDEV, Yu.V.; IVANOVA, L.I.

Radiation-induced polymerization. Part 6. Radiation polymerization
of chloroprene. Vest.LGU 20 no.22:154-164 '65.

(MIRA 18:12)

IVANOV, V.S.; SMIRNOVA, V.K.; SEMENOVA, A.Ye.; TSAO YUN [TS'ao Yung]

Synthesis of N-hydroxy imide of maleic acid. Zbir. org. khim.
1. no.9:1705 S '65. (MIRA 18:12)

1. Leningradskiy gosudarstvennyy universitet. Submitted
December 25, 1964.

IVANOV, V.S.

Method for drying hydrogen. Energetik 13 no.6:27-28 Ja '65. (MIRA 18:7)

1. Nachal'nik tsekha masel i gazov Gosudarstvennogo tresta po organizatsii i ratsionalizatsii rayonnykh elektrostantsiy i setey.

L 1143-66	EWT(m)/EPF(c)/EWP(j)/T, RPL	WW/RM
ACCESSION NR: AP5022009	UR/0286/65/000/014/0073/0078 678.762.2-134,465 678.762.2-139	
AUTHOR: Ivanov, V. S.; Buslavev, G. S.	4454 4455 27	
TITLE: A method for producing aldehyde rubber. Class 39, No. 102995	15 15	
SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 14, 1965, 78		
TOPIC TAGS: synthetic rubber, aldehyde, styrene, butadiene, emulsion polymeriza- tion	4454	
ABSTRACT: This Author's Certificate introduces a method for producing aldehyde rubber by copolymerizing styrene and/or butadiene with α,β -unsaturated aldehydes in a water emulsion, using an initiator and emulsifiers. The properties of the aldehyde rubber are improved by conducting the copolymerization process at a pH of less than 7 using redox initiators, e. g. a cumene hydroperoxide- FeSO_4 system, and cation-active emulsifiers, e. g. Sapamine.		
ASSOCIATION: none	ENCL: 00	SUB CODE: MT
SUBMITTED: 28Jun63	OTHER: 000	
NO REF Sov: 000		
Card 1/1 mle		

ACC NR: AP6000355

SOURCE CODE: UN/0286/65/000/021/c018/c018

AUTHORS: Ivanov, V. S.; Smirnova, V. K.; Boryaz, V. N.; Mironova, I. I.; Abramova, A. M.; Sidorova, T. I.; Kharitonov, N. P.; Breger, A. Kh.; Goldin, V. A.

ORG: none

TITLE: Method for obtaining graft copolymers. Class 39, No. 176059 15

SOURCE: Byulleten' izobreteniya i tovarnykh znakov, no. 21, 1965, 18

TOPIC TAGS: polymer, copolymerization, graft copolymer, radiation polymerization, imide, maleic acid

ABSTRACT: This Author Certificate presents a method for obtaining graft copolymers on the basis of poly-organosiloxanes by the interaction of ionizing radiation with a polyorganosiloxane powder in the presence of modifying additives. To improve the physicochemical properties of the graft copolymers and their thermal stability and solvent stability, imides, e.g., N-substituted imides of maleic acid, are used as modifying additives. The radiation dosage is 0.3--8 Mrad and the intensity of radiation is 0.05--0.7 Mrad per hour.

SUB CODE: 11/ SUBM DATE: 20Jul64

Card 1/1 460 UDC: 678.0415.17.531.547.452.3

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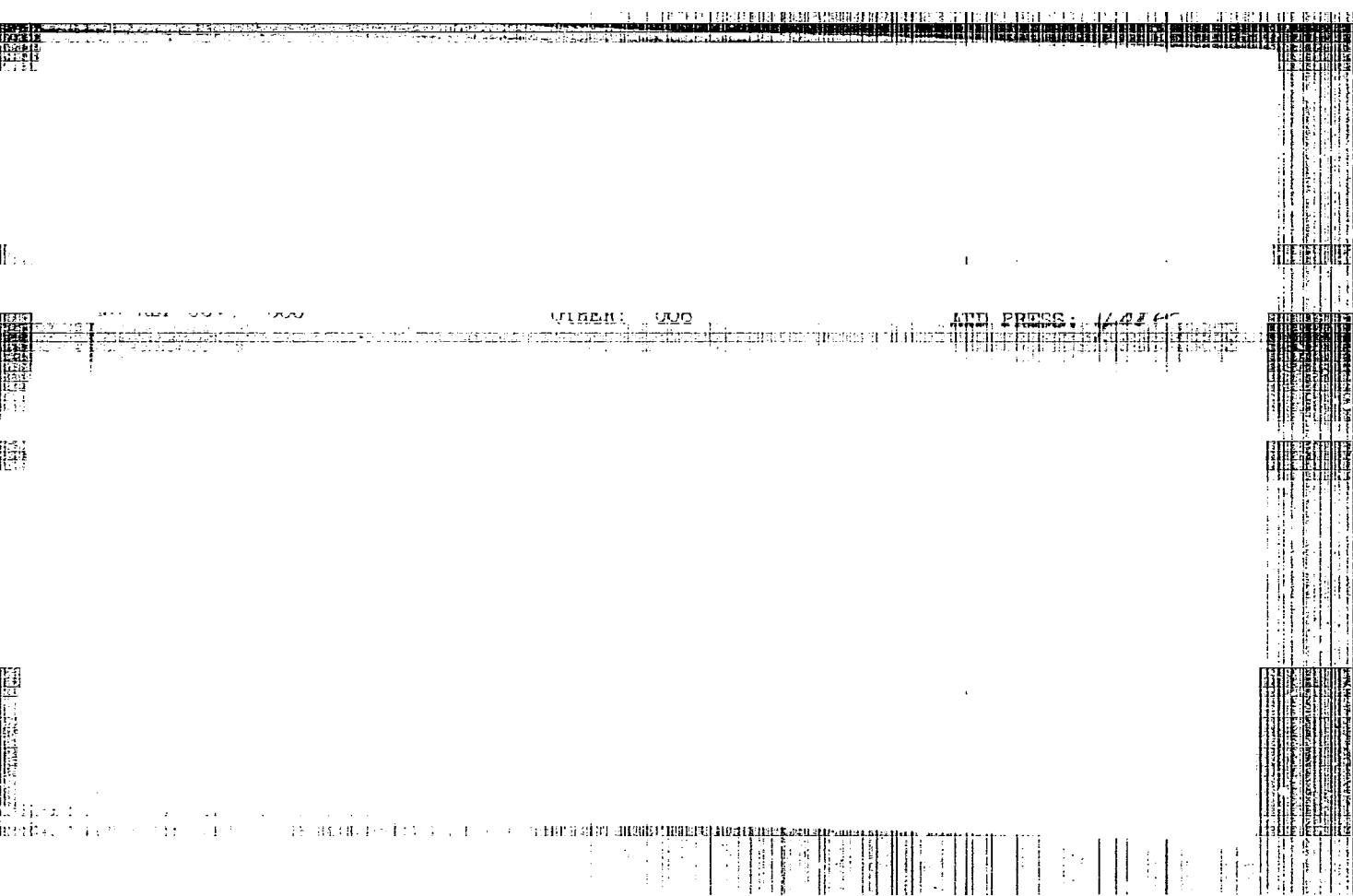
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MINKH, A.A., professor; IVANOV, V.S., ordinator; LEITMAN, S.S., assistant.

Dental caries in confectionery workers. Stomatologiya, no.3:23-28
Ky-Je '54.
(MIRA 7:6)

1. Iz kafedry terapevticheskoy stomatologii (zav. prof. Ye.Ye.Platonov) i kafedry gigiёny (zav. prof. A.A.Minkh) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir. dotsent G.N.Beletskiy)
(DENTAL CARIES, epidemiology,
*in confectionery workers)

IVANOV, V.S., assistant

Morphological change in the gasserian ganglion in pyorrhea alveolaris.
Stomatologiya 37 no.4:16-20 Jl-Ag '58 (MIRA 11:9)

1. Iz kafedry terapeuticheskoy stomatologii (zav. - prof. Ye.Ye. Platonov), kafedry normal'noy gistolologii (zav. - prof. L.I. Falin) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir. -dots. G.N. Beletskiy) i kafedry chelyustno-litsevoy khirurgii i stomatologii (zav. - prof. N.M. Mikhel'son) TSentral'nogo instituta usovershenstvovaniya vrachey (dir. V.P. Lebedeva).
(TRIGEMINAL NERVE)
(PYORRHEA)

IVANOV, V. S., Candidate Med Sci (disc) -- "Morphological changes in the Gasserian ganglion in periodontosis". Moscow, 1959. 13 pp (Min Health RSFSR, Moscow Med Stomatological Inst), (KL, No 23, 1959, 172)

IVANOV, V.S.

IVANOV, V.S., kand.med.nauk

"Methods and techniques for treating diseases of the teeth" by
M.I.Groshikov and V.K.Parikkev. Reviewed by V.S.Ivanov.
Stomatologija 41 no.4:100 Jl-Ag '62. (MIRA 15:9)
(TEETH-DISEASES)

IVANOV, V.S., kand.med.nauk; POMERANTSEVA, A.M., kand.med.nauk

Diagnosis, clinical aspects, and treatment of lichen ruber
planus of the mucous membrane of the oral cavity. Stomatologija
41 no.5:12-16 S-0 '62. (MIRA 16:4)

1. Iz kafedry stomatologii (zav. - prof. I.M. Starobinskiy)
TSentral'nogo instituta usovershenstvovaniya vrachey (dir.
M.D. Kovrigina) i TSentral'nogo instituta travmatologii i
ortopedii.

(LICHEN RUBER) (MOUTH--DISEASES)

IVANOV, V.S., kand.med.nauk

Comparative evaluation of some modern single-treatment methods
of treating periodontitis. Trudy TSIU 64:27-32 '63.

Age changes in the gasserian ganglion in man. Ibid., 142-51

Experience in treating diseases of the temporomandibular joint
with hydrocortisone. Ibid., 168-171 (MRA 1715)

IVANOV, V. T.

PETUKHOV, L. G. - Kand. Arkhitektury, IVANOV, V. T., Arkh., NIKOLAYEV, I. S., Chl.-Korr. Akademii Arkhitektury SSSR D-R Arkhitektury Prof., BAZANOV, V. M. - Arkh.

Nauchno-issledovatel'skiy Institut Arkhitektury Obshestvennykh i Promyshlennyykh sooruzheniy Akademii Arkhitektury SSSR

Promyshlennyye predpriyatiya v gorode

Page 62

SO: Collection of Annotations of Scientific Research Work on Construction, completed in 1950.
Moscow, 1951

IVANOV, V.T.

Looking for experience in Leningrad. Mashinostroyel' no.11:35-36
N '60. (MIRA 13:10)
(Leningrad--Milling machines--Technological innovations)

MARKHEL', Pavel Sil'vestrovich, kand. tekhn. nauk; PETROVA, Nina Nikolayevna, nauchnyy sotr.; RUSANOVA, Aleksandra Viktorovna, nauchn. sotr.; IZMAIL, Lyudmila Nikiforovna, nauchn. sotr.; BABUSHKIN, Aleksey Il'ich, master po remontu; IVANOV, Viktor Tikhonovich, pechnik; ALEKSANDROV, Vladimir Mefod'yevich, inzh.; KONOVTSEV, Svyatoslav Vsevolodovich, inzh.-mekhanik; PRITYKINA, L.A., red.; KISINA, Ye.I., tekhn. red.

[Handbook on the overhauling of bakery equipment] Spravochnik po kapital'nому remontu khlebopекarnogo oborudovaniya. Moskva, Pishchepromizdat, 1963. 307 p. (MIRA 16:7)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut khlebopекarnoy promyshlennosti. Leningradskoye oddeleniye.
2. Zavedyushchiy sektemr ekonomiki, organizatsii proizvodstva i truda Leningradskogo oddeleniya TSentral'nogo nauchno-issledovatel'skogo instituta khlebopекarnoy promyshlennosti (for Markhel').

(Bakeries--Equipment and supplies)
(Food machinery--Maintenance and repair)

IVANOV, V.T.

Demonstration of the new developments in textile techniques
on the screen. Tekst.prom. 20 no.6:47-50 Je '60.
(MIRA 13:?)

1. Nachal'nik otdela TSentral'nogo byuro tekhnicheskoy
informatsii Mosoblaovnarkhoza.
(Motion pictures in industry)
(Textile industry)

IVANOV, V.T., inzh.

Valuable experience in technical promotion. Mekh.i avtom.proiz.
14 no.6:59-61 Je '60. (MIRA 13:7)
(Motion pictures in industry)

IVANOV, V.T.

Advanced industrial experience on a screen. Mashinostroitel' no.8:
35-36 Ag '60. (MIRA 13:9)
(Motion pictures in industry)

IVANOV, V.T.

Film about new textile goods. Tekst.prom. 20 on 8:54-56
ag '60. (MIRA 13:9)
(Textile industry) (Motion pictures in industry)

AVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.; SHEMYAKIN, M.M.

Structure of enniatin A. Izv.AN SSSR.Otd.khim.nauk no.8:1497
Ag '62. (MIRA 15:8)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Antibiotics)

SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSEKIN, A.A.

Total synthesis of sporidesmin 1. Izv.AN SSSR.Otd.khim.nauk no.9:1699-
1700 S '62. (MIRA 15:10)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Sporidesmin)

OVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.

Depsides. Report No.6: Preparation of L-and D-N-methylvalines.

Izv. AN SSSR. Otd.khim.nauk no.11:2046-2054 N 162.

(MIRA 15:12)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Valine)

SHEMYAKIN, M. M.; OVCHINNIKOV, Yu. A.; KIRYUSHKIN, A. A.; IVANOV, V. T.

Depsides. Report No. 7: Structure of enniatin B. Izv. AN SSSR
Otd. khim. nauk no. 12:2154-2161 D '62. (NIRA 16:1)

1. Institut khimii prirodnykh soyedinenii AN SSSR.

(Depsides)

OVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.; KHALILULINA, K.Kh.

Synthesis of sporidesmolic acid B. Izv.AN SSSR.Otd.khim.nauk
(MIRA 16:4)
no.3:578-579 Mr '63.

1. Institut khimii prirodykh soyedineniy AN SSSR.
(Sporidesmolic acid)

SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.

Structure and total synthesis of enniatin B. Izv.AN SSSR.
Otd.khim.nauk no.3:579 Mr '63. (MIRA 16:4)

1. Institut khimii prirodnnykh soyedineniy AN SSSR.
(Enniatin)

OVCHINNIKOV, Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.; SHEMYAKIN, M.M.

Structure of sporidesmolide; part 2. Izv. AN SSSR. Otd. khim. nauk no.4:
770 Ap '63. (MFA 103)

1. Institut khimii prirodnykh soyedinenii AN SSSR.
(Sporidesmin)

SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.

Synthesis of enniatin A. Izv. AN SSSR. Otd. khim. nauk no.6:1148
Je '63. (MIRA 16:7)

1. Institut khimi prirodnikh soedineniy AN SSSR.
(Peptides)

OVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.;
SHEMYAKIN, M.M., akademik

Doubling mechanism in the cyclization of depsipeptides and
peptides. Dokl. AN SSSR 153 no.1:122-125 N '63.
(MIRA 17:1)

1. Institut khimii prirodnnykh soyedineniy AN SSSR.

OVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.; SHEMYAKIN, M.M.,
akademik

Conformation factors in the cyclization of depsipeptides.
Dokl. AN SSSR 153 no.6:1342-1345 D '63. (MIRA 17:1)

1. Institut khimii prirodnnykh soyedineniy AN SSSR.

RYABOVA, I. D.; PAVLENKO, I. A.; VINOGRADOVA, Ye. I.; OVCHINNIKOV, Yu. A.; ALDANOVA, N. A.; KIRYUSHKIN, A. A.; IVANOV, V. T.; VEYGINA, M. Yu.

"Antimicrobial activity of depsipeptides."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

Inst for Chemistry of Natural Compounds, AS USSR, Moscow.

SHEMYAKIN, M. M.; OVCHINNIKOV, Yu. A.; IVANOV, V. T.; KIRYUSHKIN, A. A.

"Studies in the conformation of cyclodepsipeptides."

report submitted for the 7th European Peptide Symp, Budapest, 3-8 Sep 64.

SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; ANTONOV, V.K.; KIRYUSHKIN, A.A.;
IVANOV, V.T.; SHCHELOKOV, V.I.; SHKROB, A.M.

Synthesis of 0,0'-diacetylserratomolide. Izv. AN SSSR.
Ser. khim. no.12:2233 D '63. (MIRA 17:1)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

IVANOV, V.T., kand. khim.nauk

Chemistry of peptides; symposium held at Athens. Vest. AN SSSR
34 no. 1:63-65 Ja '64. (MIRA 17:5)

SHEMYAKIN, M.M., akademik; IVANOV, V.T.

Sixth European Symposium on the Chemistry of Peptides. Zhur.
VKHO 9 no. 3:332-334 '64. (MIRA 17:9)

OVCHINNIKOV, Yu.A.; IVANOV, V.T.; MIKHALEVA, I.I.; SHEMYAKIN, M.M.

Synthesis of enniatin C. Izv. AN SSSR. Ser. khim. no. 10, 1962
O '64. (MIRA 17:12)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

BOCHKAREV, V.N.; FUCHKOV, V.A.; VUL'FSON, N.S.; SHMYAKIN, N.M.; OVCHINNIKOV,
Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.; VINOGRADOVA, T.M.; ALDANOWA, N.A.

Depsipeptides. Part 51: Mass spectrometric study of cyclotetradepsipeptides of regular structure. Khim.prirod.sod. 1:52-58 '65.
(MIRA 18:6)

1. Institut khimii prirodykh soyedinenii AN SSSR.

SHENYAKIN, M.M.; OVCHINNIKOV, Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.

Chemistry of depsipeptides. Report 25: Structure and complete synthesis of enniatins A and B. Izv. AN SSSR. Ser. khim. no.9s 1623-1630 '65. (MIRA 18:9)

1. Institut khimii prirodnnykh soyedineniy AN SSSR.

TROFIMOV, A.N.; IVANOV, V.P.

Calculation of the current distribution in a conductor by the
method of straight lines. Fiziko-khimika i m. 1922. N 24. P. 165.
(MFA 1846)

I. Bashkirskiy gosudarstvennyy universitet; 1951. 40 leto
Oktyabrya.

SHIMYAKIN, N.M.; GYCHENNIKOV, Yu.A.; IVANOV, V.G.; KUDRYAVTSEV, A.A.;
KHAIKININA, E.R.

Depeptides. Part 42: Structure and complete synthesis of
agoridesmolides I and II. Zhur. ob. khim. 35 no.8:1399-1412
Ag '65.
(MIRA 18:8)

IVANOV, V.V.; VIDIN, Yu.V.

Temperature field in a parallelepiped heated by a radiant
flow. Izv. vys. ucheb. zav.; chern. met. 8 no.5:180-182
'65. (MIRA 18:5)

1. Krasnoyarskiy politekhnicheskiy institut.

IVANOV, V. V.

Leningradskomu zavodu "Pnevmatika" 50 let. (Vestn. Mash., 1950, no. 3, p. 61-64)

The Leningrad "Pnevmatika" plant is 50 years old.

DLC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

AUTHOR: Ivanov, V.V.

SOV/63-3-6-12/43

TITLE: Modern Designs of Chemical Pumps (Sovremennyye konstruktsii khimicheskikh nascsov)

PERIODICAL: Khimicheskaya nauka i promyshlennost', 1958, Vol III, Nr 6, pp 782-789 (USSR)

ABSTRACT: In the chemical industry mostly centrifugal pumps are used with a pressure of no more than 60 m and an output of 300 m³/h or less. Many pumps operate on the principle of self-suction. A Soviet pump of this type has been developed by the All-Union Scientific Research Institute of Hydraulic Machine Building (Figure 2). The packing of the pumps shaft may be carried out in several ways: 1) with a neutral liquid in the bushing of the stuffing box which stops the loss of the pumped substances to the outside; 2) by using an impeller, i.e. a second wheel behind the operating wheel with radial vanes which reduces the pressure in front of the stuffing box; 3) by a more equal distribution of the stresses on the rings of the stuffing box lining; 4) by the use of special materials in the stuffing box linings. If the pump is vertical and reaches below the free level of the liquid, there is no stuffing box needed. The weight and the size of the axle are 2 - 3 times that of ordinary pumps. Such a pump

Car 1/2

Modern Designs of Chemical Pumps

SOV/55-3-6-12/43

without stuffing box is the type 6VKhS-7 shown in Figure 4. It has an output of 150 m³/h, 1,470 rpm, a pressure of 40 m, an efficiency factor of 0.8. Hydraulic locks in pumps stop the loss of liquid during operation. At stand-still a special packing must be used which is removed again as soon as the pump starts working in order to prevent wear. Such a pump of the type 3KKh-5K is shown in Figure 5. If the pumps must operate under high pressure or if expensive or poisonous substances are pumped, hermetic types must be used. The Soviet industry has developed a hermetic acid pump (Figure 11) with an output of 24 m³/h. It is made of steel 1Kh18 Ni9T. Recently plastics, which are reinforced by glass fibers, are used in the manufacture of chemical pumps as well as fluorine polymers. There are 11 diagrams and 10 references, 5 of which are Soviet and 5 English.

Card 2/2

IVANOV, V.V., kand.tekhn.nauk, dotsent

Using dimension diagram calculations for reducing the labor
consumption and operation cycle in assembling turbine gland systems.
Energomashinostroenie 7 no.10:30-32 0 '61. (MIRA 14:10)
(Turbines--Design and construction)

IVANOV, V.V., inzh.

Geometry of a giant jet. Sbor. trud. Inst. gor. dela AN URSR
no.12:185-190 '61. (MIRA 15:11)

1. Institut gornogo dela AN UkrSSR.
(Hydraulic mining)

GRAFOV, L.Ye., gornyy inzh.; GORBUSHIN, V.I., V.I.; ZARANKIN, N.Ye.;
DUDNIK, G.N.; BARONSKIY, I.V.; KOSTYUKOVSKIY, V.Ya. [deceased];
LINDENAU, N.I.; BIRYUKOV, R.A.; LISKOVENTS, A.R.; MURAV'YEV,
V.P.; FESUN, V.A.; BERDYUGIN, V.A.; BEREZNYAK, M.M.; VASIL'YEV,
Ye.I.; KOLLODIY, K.K.; IL'CHENKO, D.F.; YALEVSKIY, D.B.;
GERASIMOV, V.P.; IVANOV, V.V.; GAVRILOV, G.V.; SUROVA, V.A., red.
izd-va; OSVAL'D, E.Ya., red. izd-va; PROZOROVSKAYA, V.L., tekhn.
red.

[Development and improvement in the technology of coal production]
Razvitiye i sovershenstvovanie tekhniki dobychi uglia. Moskva, Gos-
gortekhizdat, 1962. 359 p. (MIRA 16:2)
(Kuznets Basin--Coal mines and mining)

IVANOV, V. V., inzh.

Automation of the washing of goldbearing sands and the introduction
of high-frequency communication at goldfields. Bezop. truda v
prom. 5 no.11:24-26 N '61. (MIRA 14:11)

1. Nachal'nik laboratorii gornoj radioelektrotehniki Magadanskogo
sovmarkhoza.

(Gold mines and mining)
(Automation)

S/194/62/000/006/017/232
D413/D308

AUTHORS: Zedginidze, G.P., Ivanov, V.V., and Levitskiy, M.P.

TITLE: Some problems in the design of computers for the automatic control of the blast-furnace process

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1962, abstract 6-1-124 ya (V sb. Primeneniye vychisl. tekhn. dlya avtomatiz. proiz-va, M., Mashgiz, 1961, 183-191)

TEXT: It is observed that no complete mathematical description exists for the blast-furnace process, and therefore ЦНИИЧМ (TsNIIChM) and ТНИИСА (TNIISA) are developing zonal computers: for the high-temperature zone of direct reduction of iron (by coke, at the bottom of the furnace) for the medium-temperature zone in the charge where indirect reduction of iron (by gases) occurs; and for the throat zone near the mouth of the furnace. It is expected that these zonal installations will later be combined into a complex whose operation will be coordinated by a universal computer. Brief descriptions, circuit diagrams of the zonal computers and Card 1/2

Some problems in the design of ...

S/194/62/000/006/017/232
D413/D308

formulas simulated by them are given. 9 figures, 10 references.
[Abstracter's note: Complete translation.]

Card 2/2

BUGAY, N.V.; IVANOV, V.V.

Development of defects in the metal of thermal power equipment
during its operation. Energ. i elektrotekh. prom. no.1:48-
50 Ja-Mr'64. (MIRA 17:5)

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Programming of the selection of populated points on topographic maps. Geod. i kart. no.2:52-63 F 164. (MIFA 17:3)

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Vest. mashinostr. 44 no.5:80-81 My '64. (MTU 17:6)

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2. USSR (600)
4. Mine Haulage
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137-1958-1-110

Translations from: Referativnyy zhurnal Metallurgiya, 1958, Nr 1, p 17 (USSR)

AUTHOR: Ivanov, V. V.

TITLE: Experience in the Organization of Sand, Sifting and Schlich Concentration (Iz opyta organizatsii promyvki peskov i shlikhoobogashcheniya)

PERIODICAL: Kolyma, 1957, Nr 3, pp 15-18

ABSTRACT: Problems of the removal of slimes, refining of metal, and the mechanization of tailing sampling at the Frunze placer of the Western Mining Administration are discussed.

1. Ore-Processing-Equipment 2. Mine-Equipment 3. Mining
engineering A. Sh.

Card 1/1

1980, 1981
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'57. (MIRA 10:11)

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(Angrem--Coal gasification, Underground)

OSIPOV, L.L.; IVANOV, V.V., redaktor; SHENFEL'D, S.D., redaktor; KRASNAYA, S.K., tekhnicheskiy redaktor

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red.; MARKOVICH, G.L., tekhn. red.

[Production ties among collective farms in the Moldavian S.S.R.]
Mezhkolkhoznye proizvodstvennye sviazi v Moldavskoi SSR. Kishinev,
Izd-vo "Shtiintsa," 1961. 132 p. (MIRA 15:7)
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Modified Medelung's operation. Khirugiia No. 5, 1952.

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Tamponade method using the omentum in perforated gastric and duodenal ulcer. Vest. Khir. 79 no.7:121-122 J1 '57. (MIRA 10:10)

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tamponade with omentum (Rus))
(OMENTUM, surgery,
tamponade of per. peptic ulcer (Rus))

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Function tests for the recognition of insufficiency of the deep veins of the lower extremity. Khirurgiia 39 no.7 132-133 J1 '63
(MIRA 16:12)

1. Iz Chuvashskoy respublikanskoy bol'nitsy (glavnnyy vrach
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caused by bile in indust.)

(BILE, inj. eff.

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G.N., red.; Prinimalni uchastiye: BAKHMAN, V.I., kand. khim.
nauk, red.; IVANOV, V.V., kand. med. nauk, red.; KARAYEV,
R.G., kand. med. nauk, red.; LARICHEV, L.S., red.; NEVRAYEV,
G.A., red.; OPPENGYM, D.G., kand. med. nauk, red.;
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red.; VUL'FSON, I.Z., red.; KUZ'MINA, N.S., tekhn. red.

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waters in the U.S.S.R.; transactions of the Conference
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Mineral Waters] Voprosy formirovaniia i rasprostraneniia
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Use of borehole charges in working a trench for an underwater crossing of the "Druzhba" Petroleum Pipeline. Stroi. truboprov. 8 no.5:25-27 My '63. (MIRA 16:5)

1. Ekspeditsionnyy otryad No.4 UPTSR, Syiran' (for Belen'kiy).
2. Spetsial'noye upravleniye Gosudarstvennogo soyuznogo tresta po burovym rabotam dlya vodosnabzheniya promyshlennosti Glavtekmontazha Ministerstva stroitel'stva SSSR (for Ivanov). (Underwater pipelines) (Blasting)

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ANDRIYEVSKIY, S.M., kand.tekhn.nauk; ZOL'NIKOV, S.S., kand.tekhn.nauk;
KISELEV, A.I., inzh.; KOROLEV, K.P., doktor tekhn.nauk, prof.;
KRYLOV, V.A., kand.tekhn.nauk; SHESTAKOV, V.N., kand.tekhn.nauk;
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tekhn.nauk; IVANOV, V.V., doktor tekhn.nauk, retsenzent;
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[Truck-type locomotive underframes for high-speed traffic]
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(MIRA 17:4)

IVANOV, V.V.; ENTELIS, S.G.

Nuclear magnetic resonance study of association in the systems
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Otd.khim.nauk no.1:178-180 Ja '62. (MIRA 15:1)

1. Institut khimicheskoy fiziki AN SSSR.
(Alcohols) (Systems (Chemistry)--Spectra)

129500
S/139/62/000/006/026/032
E073/E435

AUTHORS: Boykov, G.P., Ivanov, V.V.

TITLE: On the rate of growth of a crystal

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Fizika,
no.6, 1962, 167-168

TEXT: Mathematically, the heat conductivity during the growth of a crystal can be described by a system of differential equations given by E. Billig (Brit. J. Appl. Phys., 7, 1956, 375). If the top of a growing crystal is intensively cooled, the temperature field in the crystal can be expressed by

$$T(r, z) = T_f + (T_0 - T_f) \sum_{n=1}^{\infty} A_n I_0 \left(\mu_n \frac{r}{R} \right) \times \exp \left(-\mu_n \frac{z}{R} \right) \frac{1 - \exp \left(-2\mu_n \frac{l-z}{R} \right)}{1 - \exp \left(-2\mu_n \frac{l}{R} \right)}; \quad (1)$$

where μ_n are the roots of the equation

$$\mu \frac{I_1(\mu)}{I_0(\mu)} = Bi$$

and the values A_n can be taken from work published by A.V.Lykov.
Card 1/3

S/139/62/000/006/026/052

E075/E435

On the rate of growth of a crystal

According to S.S.Kutateladze, the relation between the temperature gradient at the phase division boundary and the rate of growth of a crystal can be expressed by

$$L\gamma W = -\lambda(\text{grad } T)_{\Gamma P} \quad (2)$$

where L - phase transformation heat, γ - specific gravity of the substance, $W = d\ell/dt$ - rate of growth of the crystal, λ - heat conductivity coefficient. The quality of the grown crystal depends to a large extent on adhering to Eq.(2). Consequently, when drawing crystals from melts it is necessary to select correctly the speed of growth. $(\text{grad } T)_{\Gamma P}$ at the base of the crystal as a function of r is calculated by means of Eq.(1)

$$(\text{grad } T)_{\Gamma P} = (\partial T / \partial z)_{z=0}$$

The average value of the gradient at the base of the crystal will be

$$(\text{grad } T)_{\text{cp}} = \frac{1}{\pi R^2} \int_F (\text{grad } T)_{\Gamma P} dF = - (T_0 - T_f) \frac{1}{\pi R^2} \sum_{n=1}^{\infty} A_n \frac{\mu_n}{R} \times \left[1 + \frac{2}{\exp\left(2\mu_n \frac{r}{R}\right) - 1} \right] \times \int_0^{2\pi} d\theta \int_0^R I_0\left(\mu_n \frac{r}{R}\right) r dr =$$

Card 2/5

On the rate of growth of a crystal

S/139/62/000/006/026/032
E073/E535

$$= -2(T_0 - T_f) \frac{1}{R} \sum_{n=1}^{\infty} A_n l_1(\mu_n) \times$$

$$\times \left[1 + \frac{2}{\exp \left(2\mu_n \frac{l}{R} \right) - 1} \right].$$

Then, according to Eq. (2), we obtain the following equation, which in the first approximation can be used for estimating the speed of growth of the crystals.

$$dL = \frac{2\lambda(T_0 - T_f)}{L;R} \cdot \sum_{n=1}^{\infty} A_n l_1(\mu_n) \times \quad (3)$$

$$\times \left[1 + \frac{2}{\exp \left(2\mu_n \frac{l}{R} \right) - 1} \right].$$

ASSOCIATION: Tomskiy politekhnicheskiy institut imeni S.M.Kirova
(Tomsk Polytechnical Institute imeni S.M.Kirov)

SUBMITTED: December 22, 1961

Card 3/3

IVANOV, V. V.

CA

The influence of structure free cementite on the mechanical properties of the iron in steam boilers. V. V. Ivanov. *Vestnik Metallofizika*, 18, No. 4, 50 (1938); *Chem. Zentr.* 1938, II, 3977-8. — Metallurgical tests were made on samples of sheet iron taken from the same sheet but from different points of that sheet, some of which had been subjected to heating and to the influence of flame gases. The results were the same for all samples as regards the presence of free cementite, in spite of the widespread view that free cementite is formed as the result of long-continued heating during operation. The long-continued heating does cause recrystallization and aging of sheet iron which has been subjected to deformation. Only on the surface was an insignificant difference in the pearlitic structure observed. M. G. Moore

9

ASSASSA METALLURGICAL LITERATURE CLASSIFICATION									
ECONOMIC		TECHNICAL		BIBLIOGRAPHY		CLASSIFICATION			
TOPIC	CODE	TOPIC	CODE	TOPIC	CODE	TOPIC	CODE	TOPIC	CODE
1	2	3	4	5	6	7	8	9	10
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61	62	63	64	65	66	67	68	69	70
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Collation of the orginal: 82 p.

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IVANOV, Vasilii Vas'il'evich

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Moskva, 1949. 345 p. (50-29922)

VM770.493 1949

IVANOV, V.V., kandidat tekhnicheskikh nauk.

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Sbor. trud. Akad. zhel. transp. no. 2:95-110 '53. (MLRA 8:9)
(Locomotives) (Axles) (Bearings (Machinery))

IVANOV, V.V., kandidat tekhnicheskikh nauk.

New Soviet locomotives. Sbot. trud. Akad. zhel. transp. no. 3:86-104
'54. (Locomotives) (MLRA 9:8)